



HDC1080 Sensor Module – High Precision Temperature Humidity

Excellent precision and performance with up to 14 bit resolution. Integrated heater can be activated to remove condensation from the sensor.

SKU: 26790

Description

The HDC1080 Sensor is a digital humidity sensor with an integrated temperature sensor that provides excellent measurement accuracy at very low power. The HDC1080 operates over a wide supply range and is a low-cost, low-power alternative to competitive solutions in a wide range of common applications. The humidity and temperature sensors are factory calibrated.

- Relative Humidity Accuracy $\pm 2\%$ (typical)
- Temperature Accuracy $\pm 0.2^\circ\text{C}$ (typical)
- Excellent Stability at High Humidity
- 14 Bit Measurement Resolution
- 100 nA Sleep Mode Current
- Average Supply Current: 710nA (11bit RH), 1.3 μA (11bit RH+Temp)
- Supply Voltage 2.7 V to 5.5 V
- I2C Interface HDC1080 Sensor module dimensions: 21 x 11 mm [Texas Instruments HDC1080 Sensor datasheet \(external link\)](#)